

Wall Ladder With Bed



The measurements within this text and 2D documentation are given both in millimeters and inches (in brackets). This website is based on ISO measurement unit system, which is the international standard. I apologize to the people who use other measurement units; but I believe that measurements given in millimeters and inches should be adequate for everyone who would like to build this project.

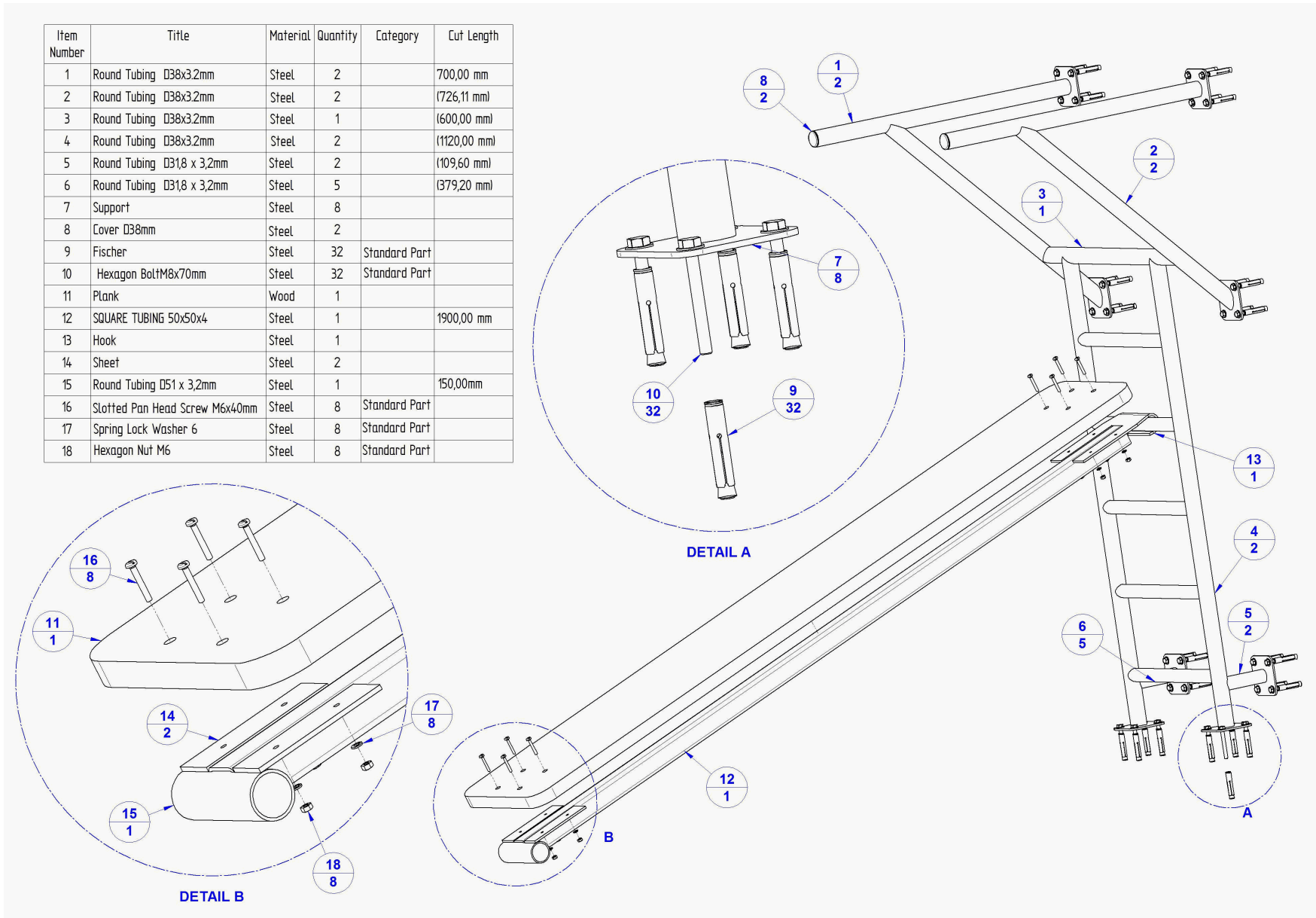
Besides that, on today's Internet it is easy to purchase the ruler containing all the measurement units and overcome the difficulties of any kind.

Use various tools and clamps in process of welding, so you could weld the items together with accuracy.

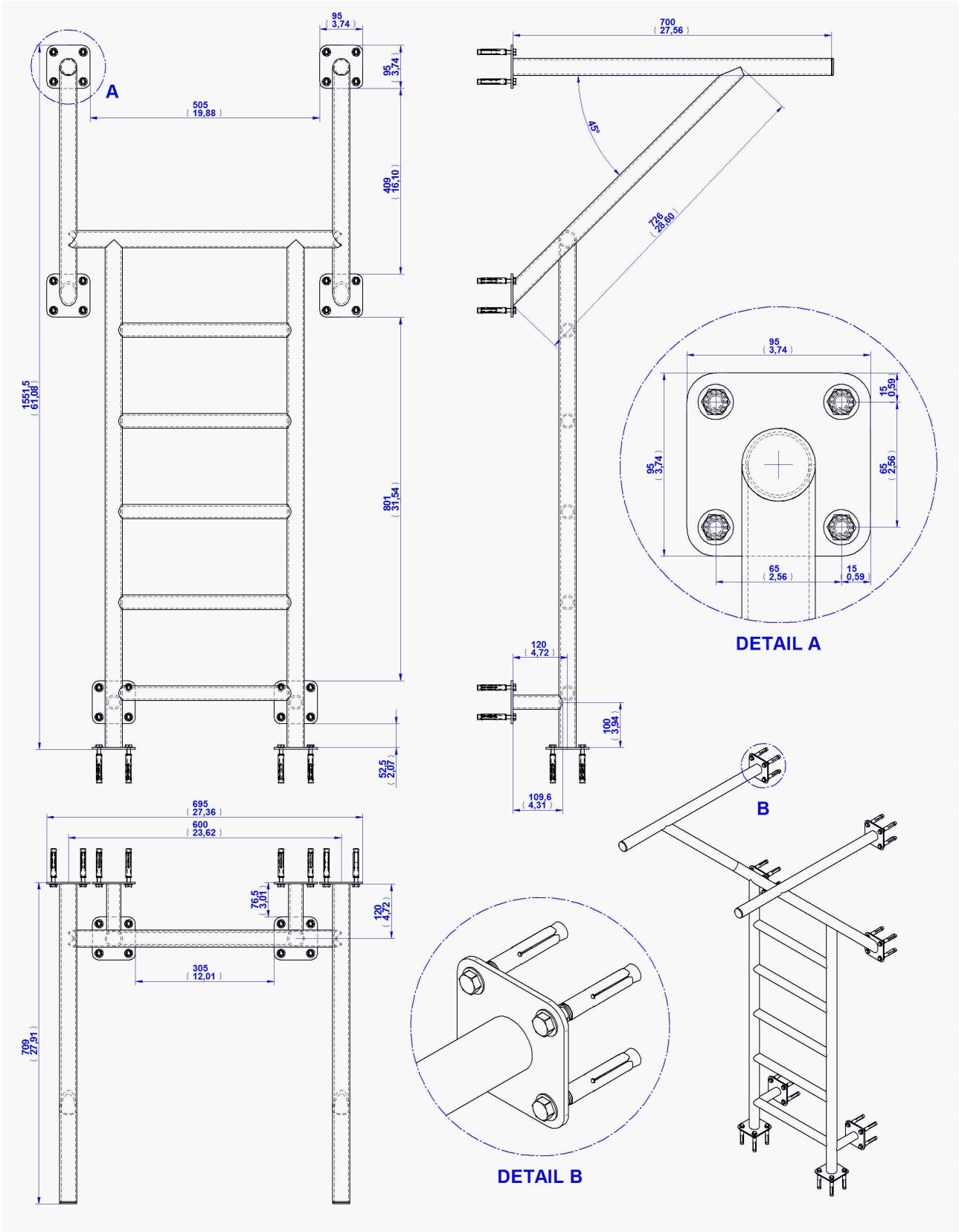
Make the components as given on drawings.

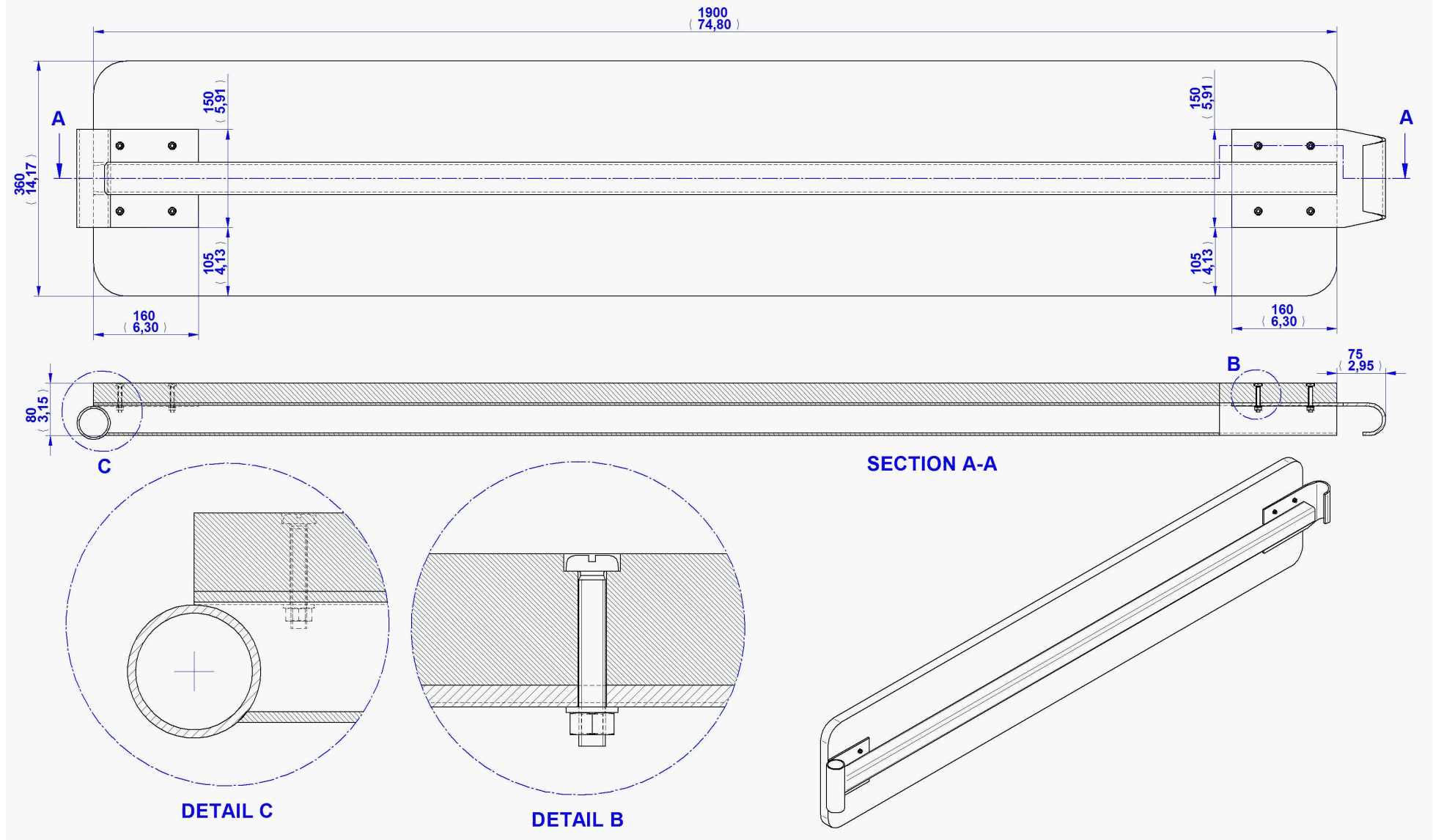
Parts List

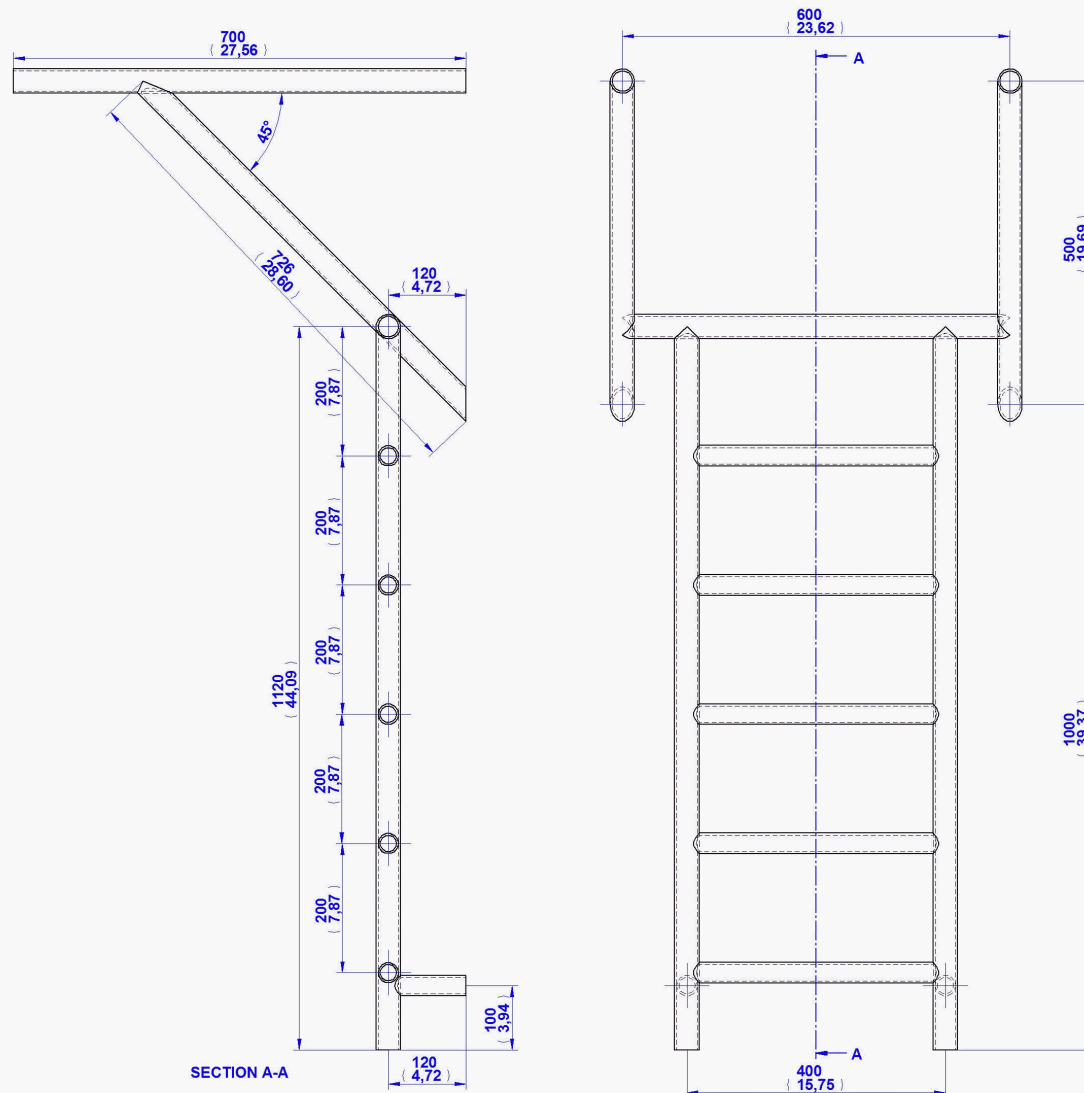
Item Number	Title	Material	Quantity	Category	Cut Length
1	Round Tubing Ø38x3,2mm	Steel	2		700,00 mm
2	Round Tubing Ø38x3,2mm	Steel	2		(726,11 mm)
3	Round Tubing Ø38x3,2mm	Steel	1		(600,00 mm)
4	Round Tubing Ø38x3,2mm	Steel	2		(1120,00 mm)
5	Round Tubing Ø31,8 x 3,2mm	Steel	2		(109,60 mm)
6	Round Tubing Ø31,8 x 3,2mm	Steel	5		(379,20 mm)
7	Support	Steel	8		
8	Cover Ø38mm	Steel	2		
9	Fischer	Steel	32	Standard Part	
10	Hexagon Bolt M8x70mm	Steel	32	Standard Part	
11	Plank	Wood	1		
12	SQUARE TUBING 50x50x4	Steel	1		1900,00 mm
13	Hook	Steel	1		
14	Sheet	Steel	2		
15	Round Tubing Ø51 x 3,2mm	Steel	1		150,00mm
16	Slotted Pan Head Screw M6x40mm	Steel	8	Standard Part	
17	Spring Lock Washer 6	Steel	8	Standard Part	
18	Hexagon Nut M6	Steel	8	Standard Part	



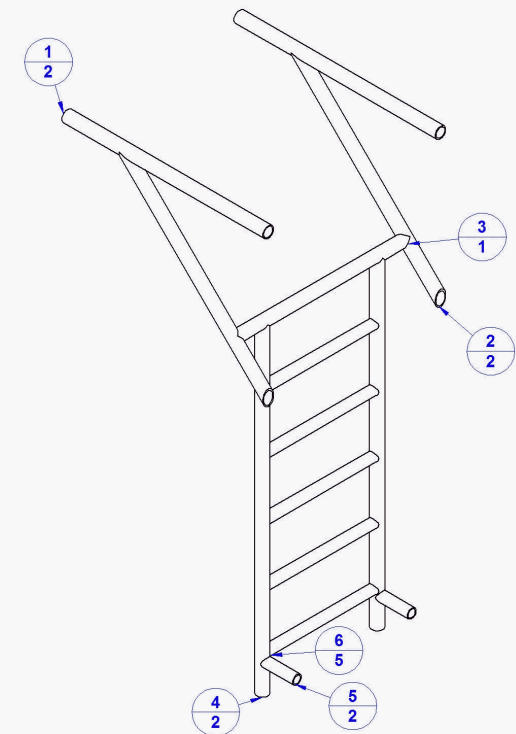
2D Documentation



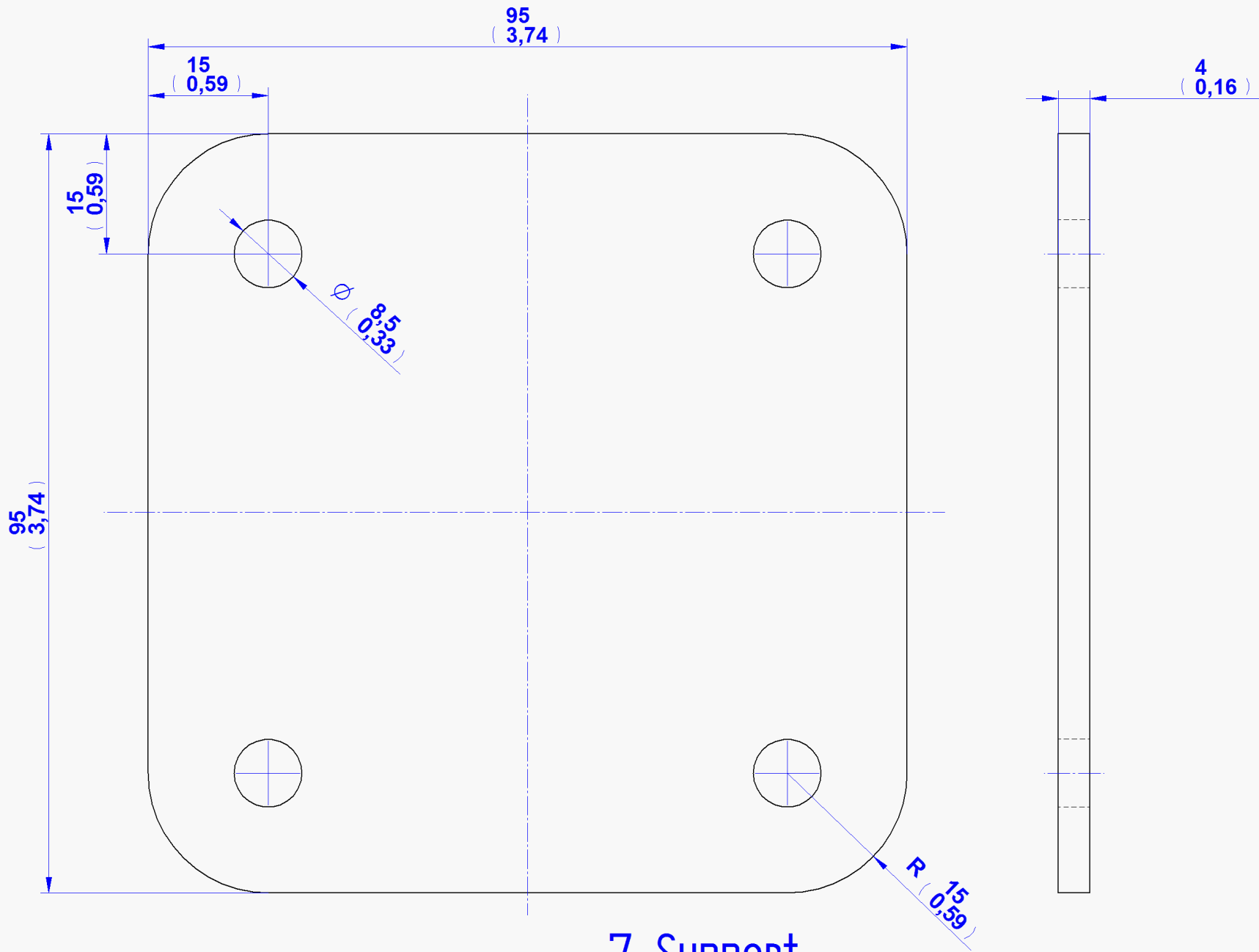


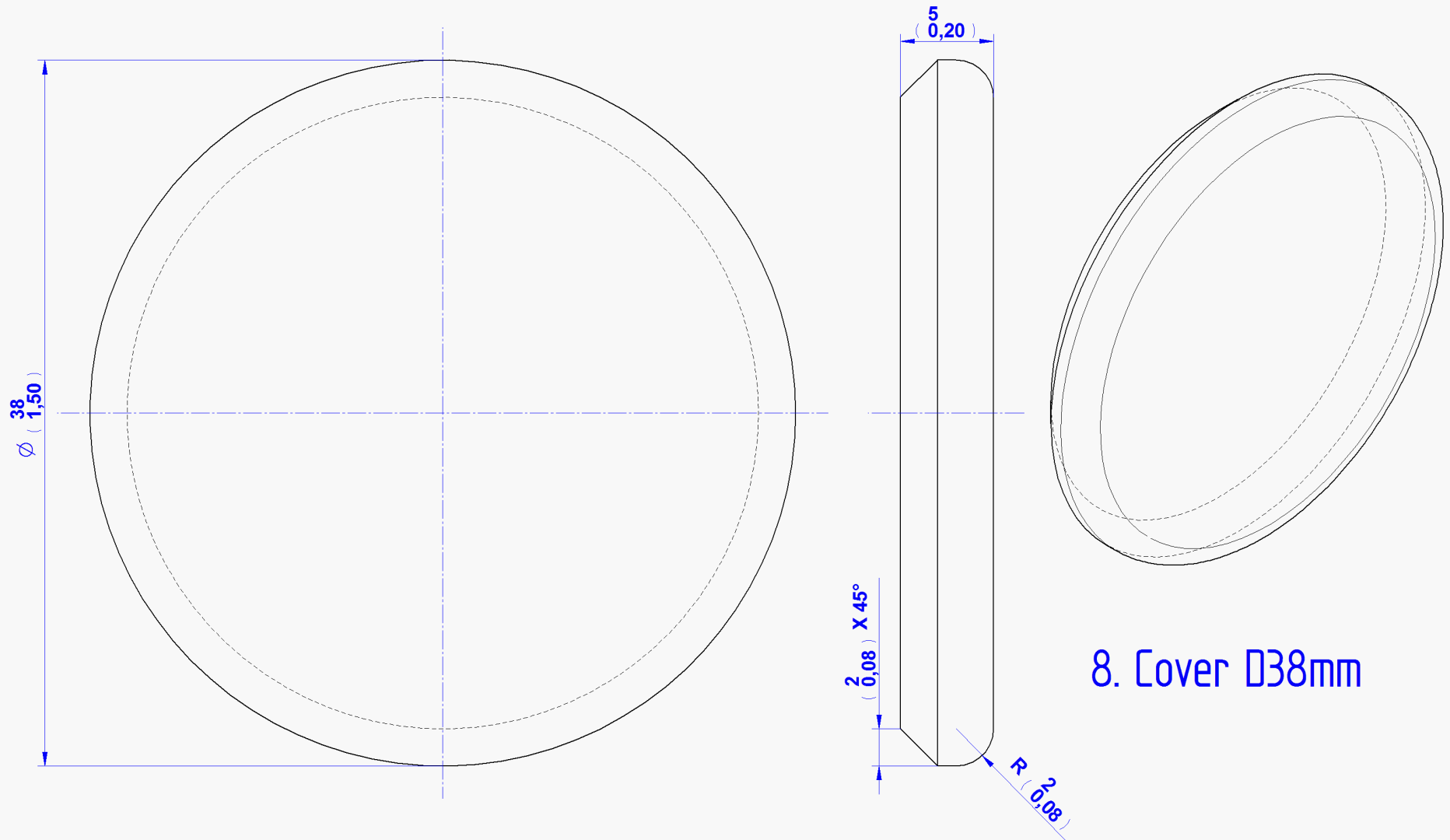


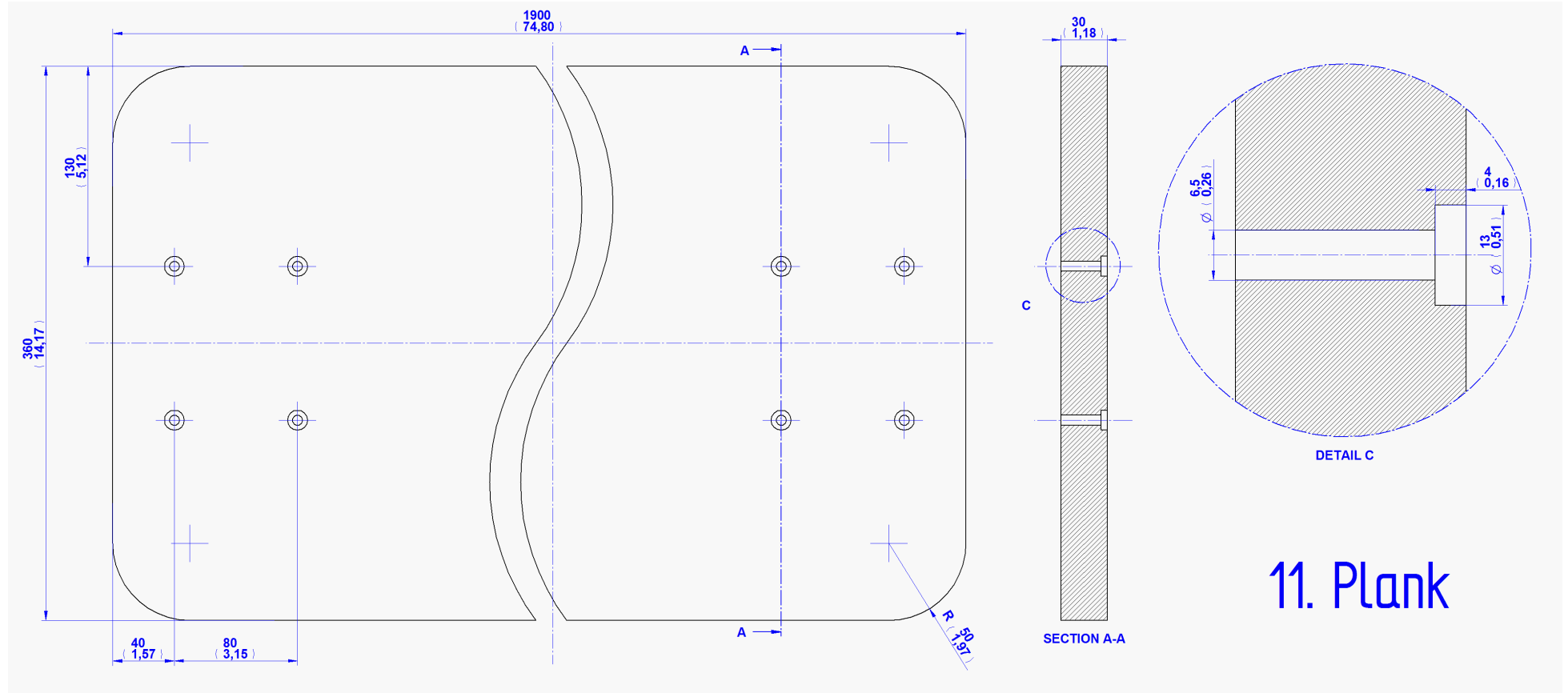
FRAME COMPONENTS
Parts 1, 2, 3, 4, 5, 6

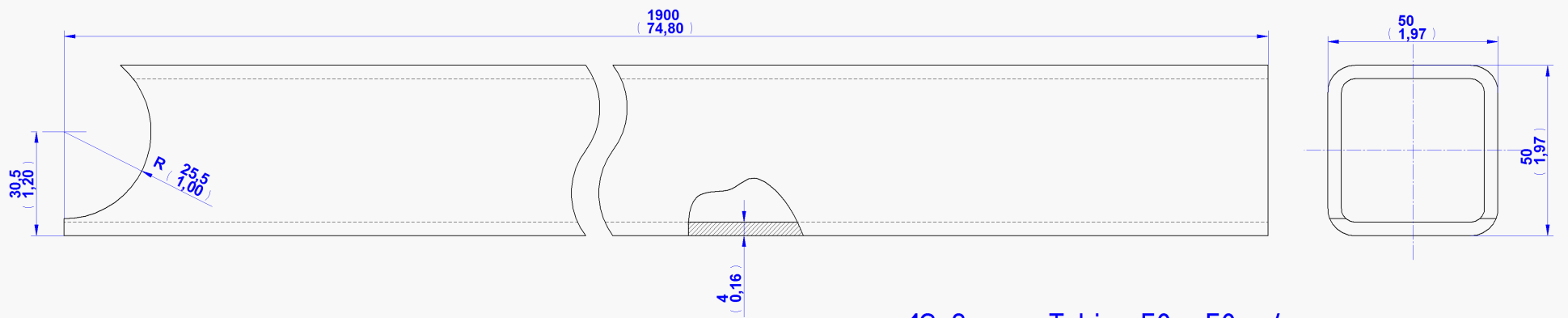


Item Number	Title	Quantity	Cut Length
1	Round Tubing D38x3.2mm	2	700,00 mm
2	Round Tubing D38x3.2mm	2	(726,11 mm)
3	Round Tubing D38x3.2mm	1	(600,00 mm)
4	Round Tubing D38x3.2mm	2	(1120,00 mm)
5	Round Tubing D31,8 x 3,2mm	2	(109,60 mm)
6	Round Tubing D31,8 x 3,2mm	5	(379,20 mm)

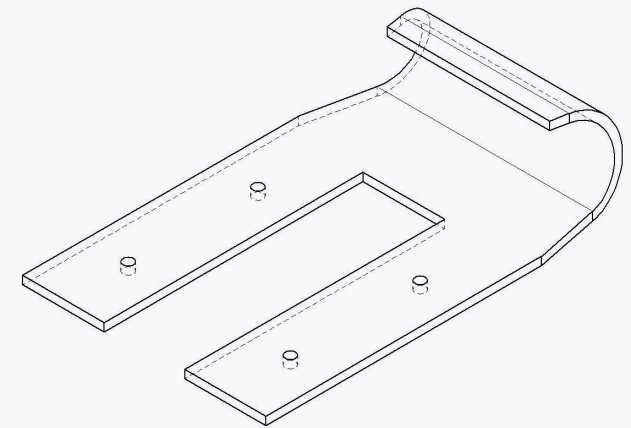
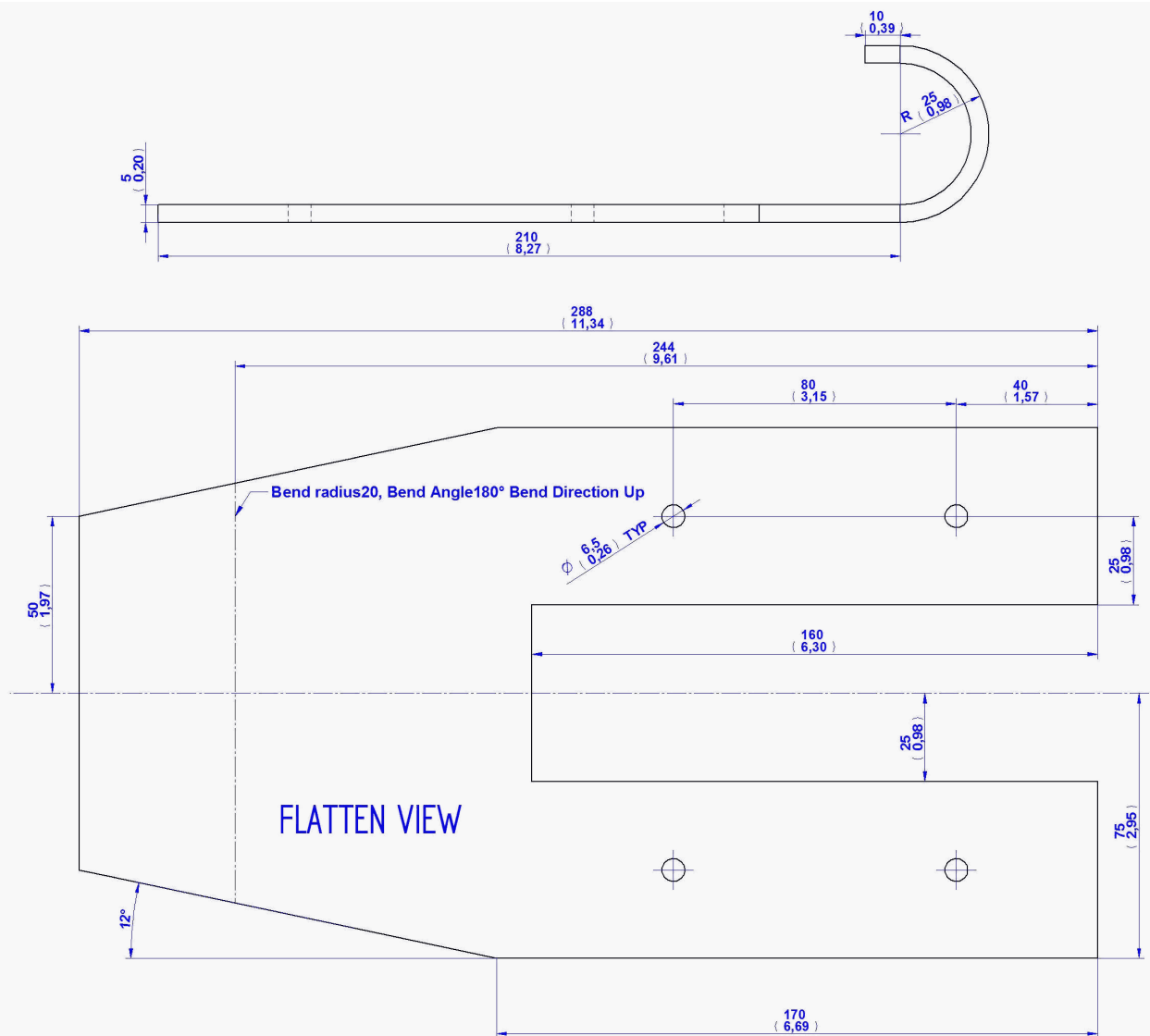




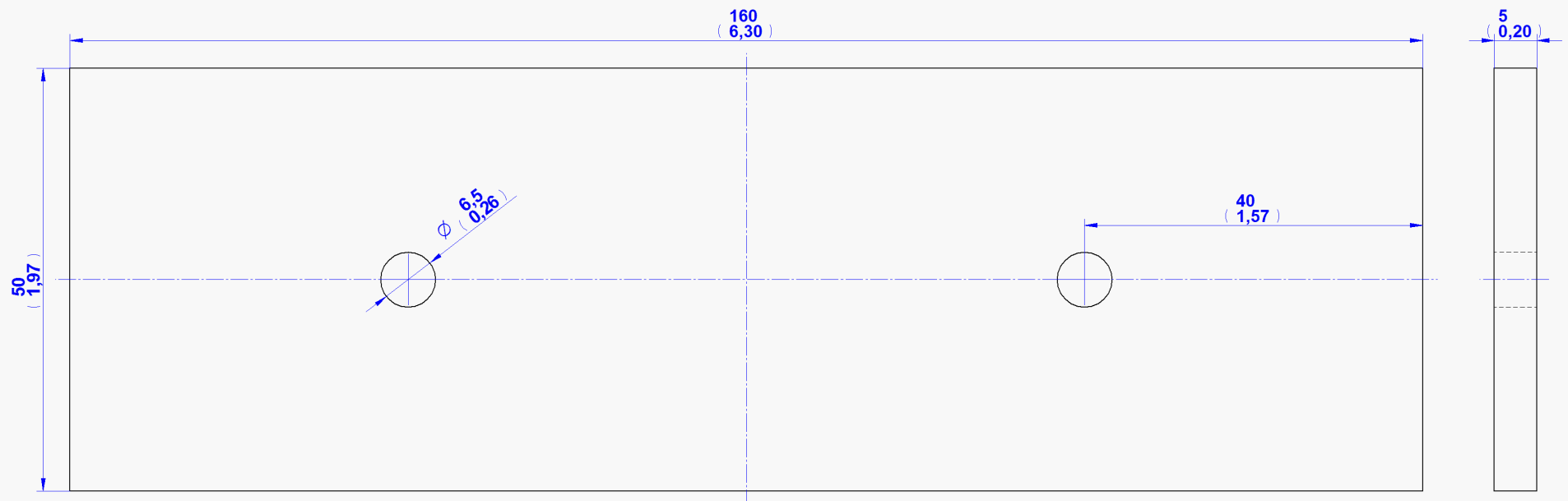




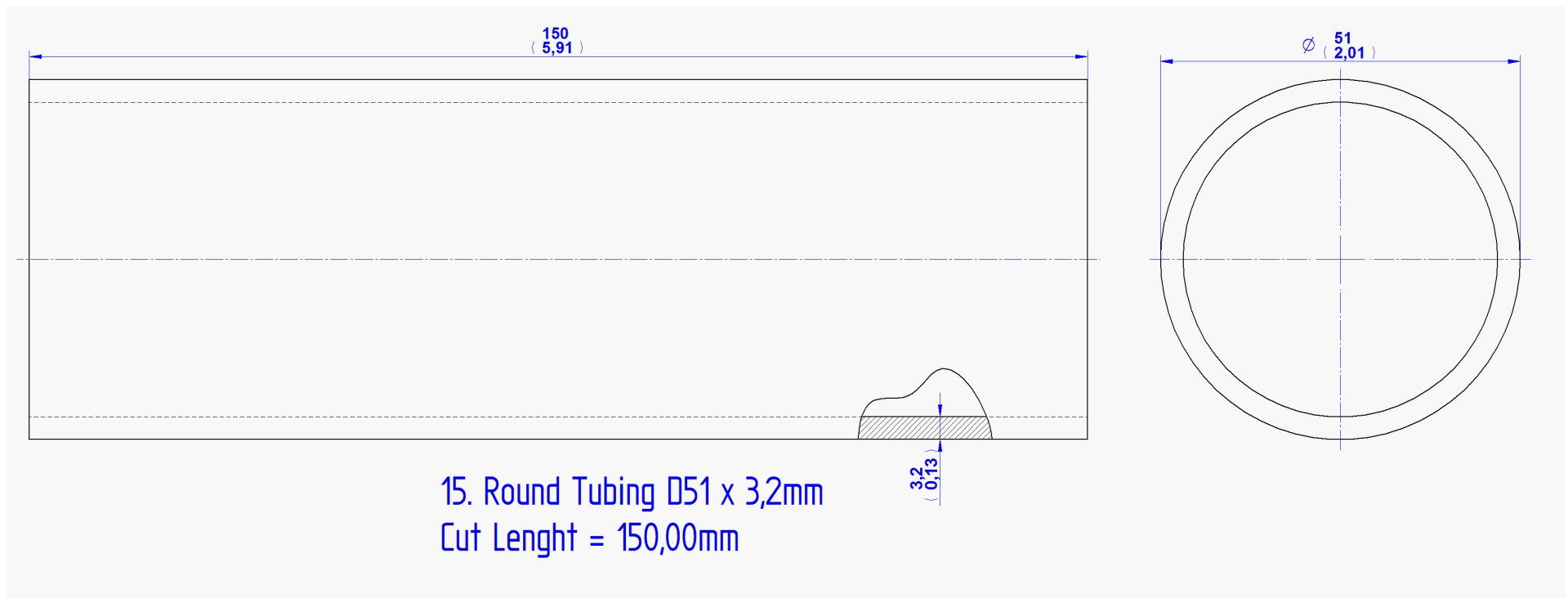
12. Square Tubing 50 x 50 x 4mm
Cut Length = 1900,00mm

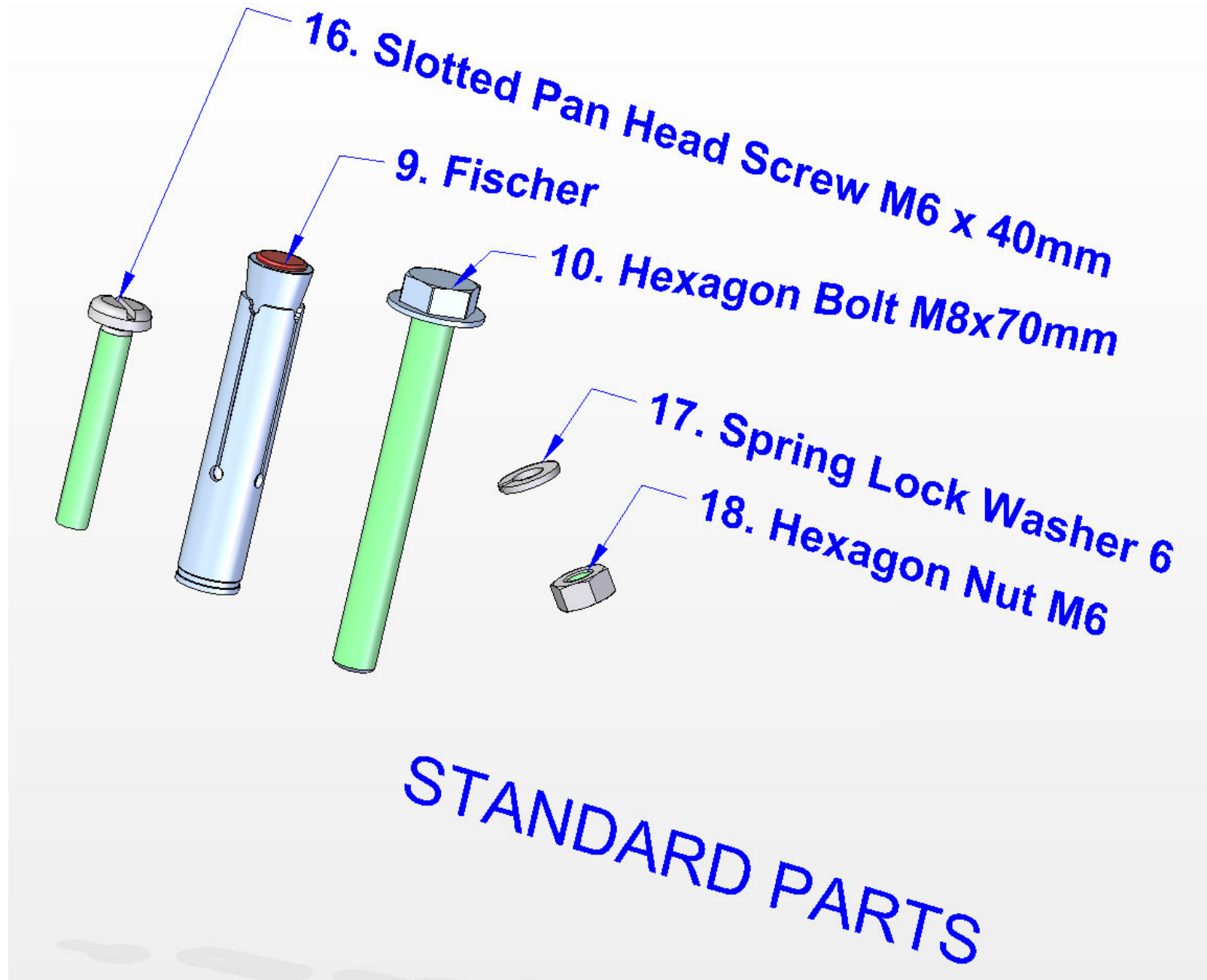


13. Hook



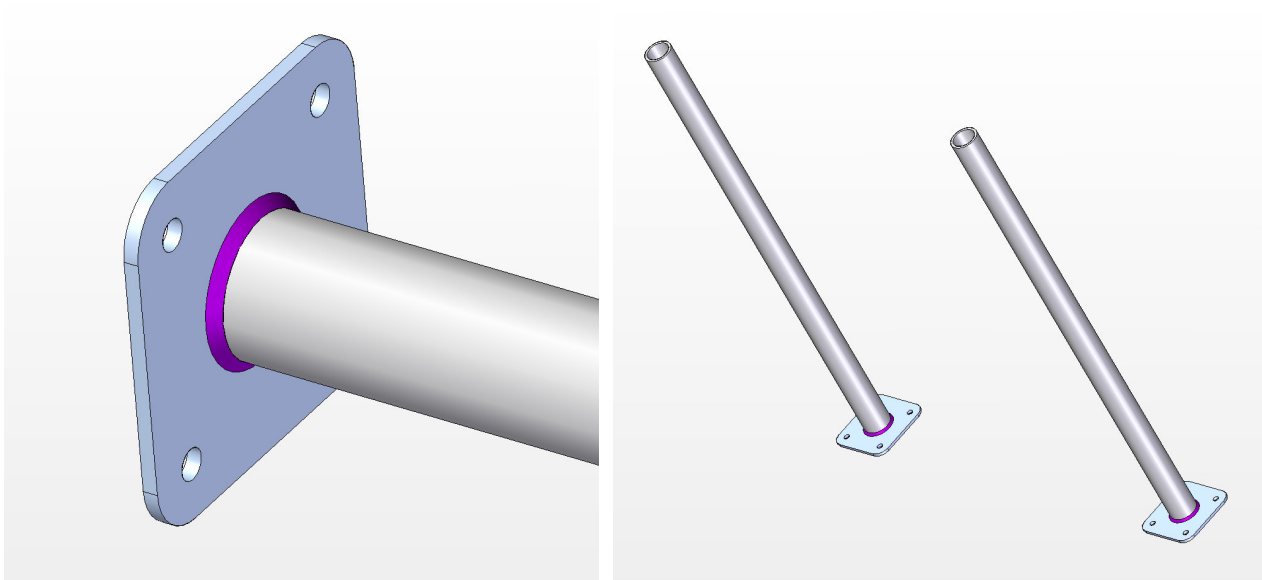
14. Sheet



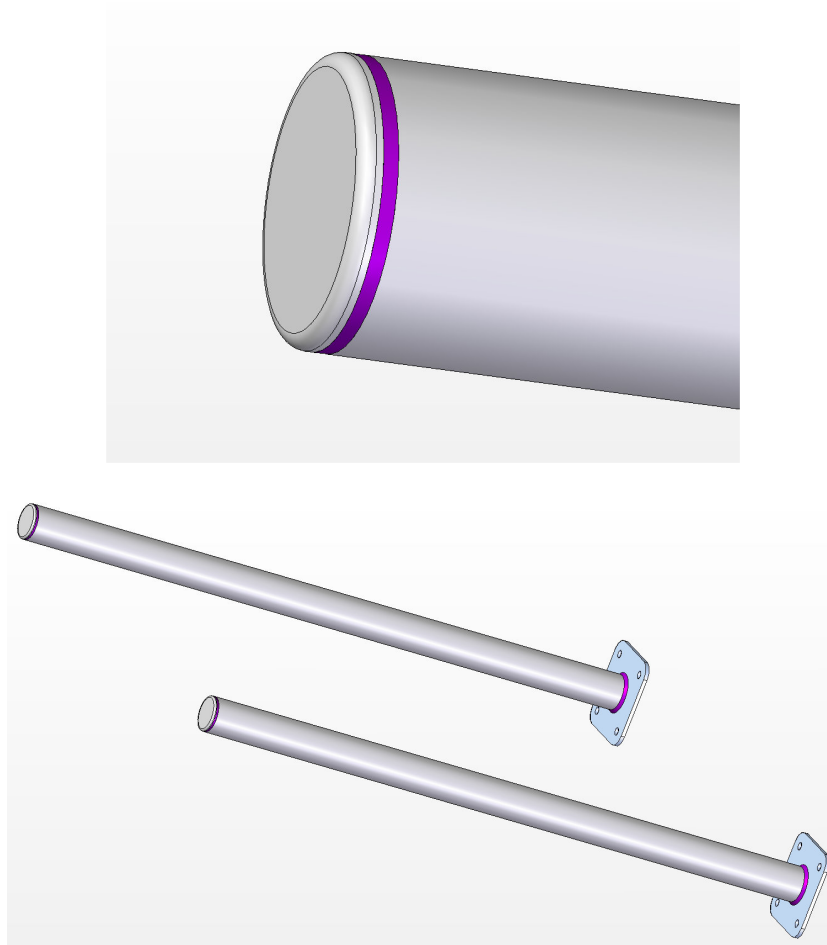


Assemblage Instruction

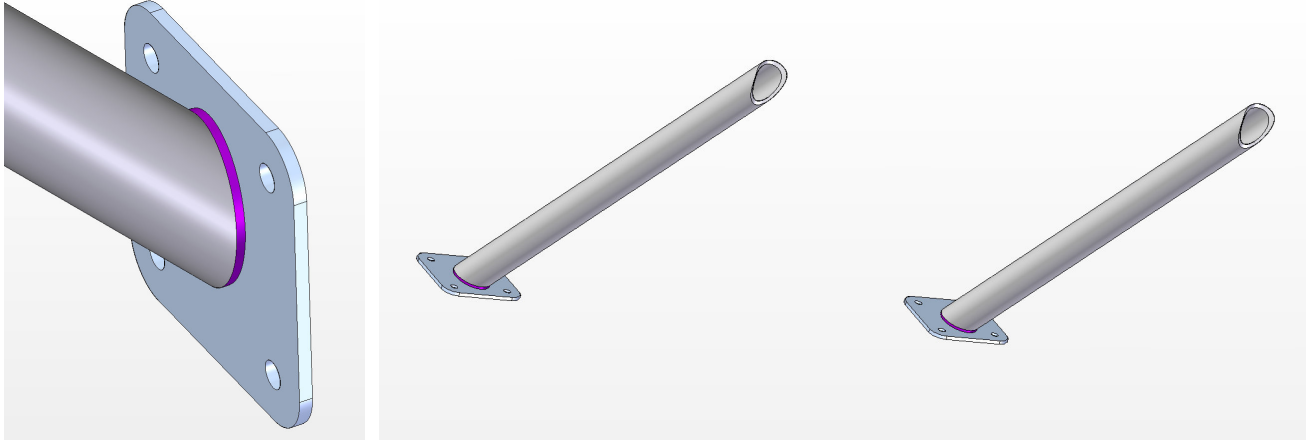
1. Weld the Round Tubing D38x3,2mm Cut Lenght 700,00mm (item 1) and Support (item 7) together. Make the two of these subassemblies.



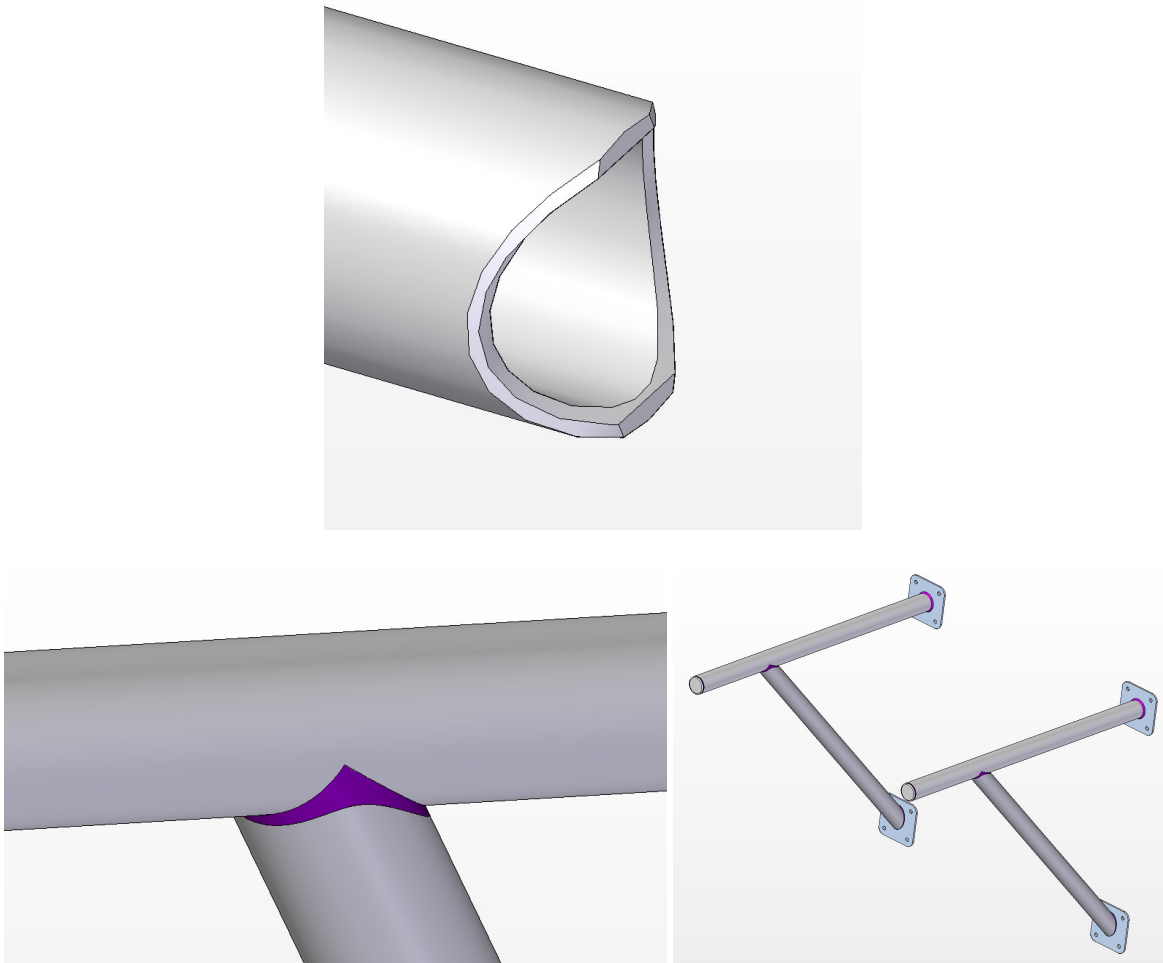
2. Weld the Cover D38mm (items 8) to the subassemblies made in the previous step.



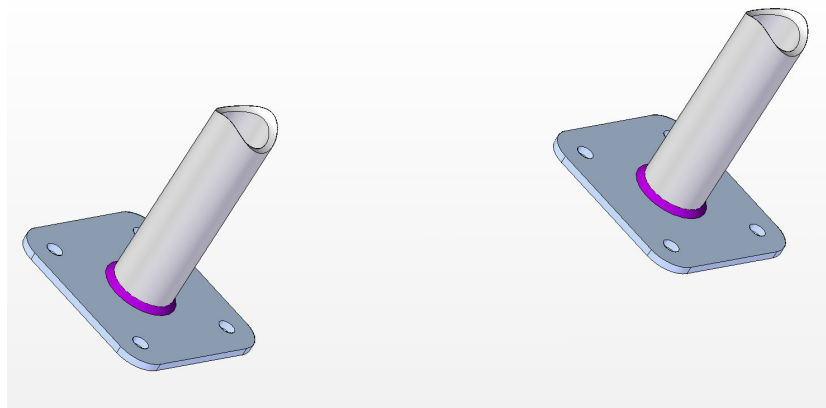
3. Weld a Round Tubing D38x3,2mm Cut Lenght 726,11mm (item 2) and Support (item 7) together.
Make two of these subassemblies.



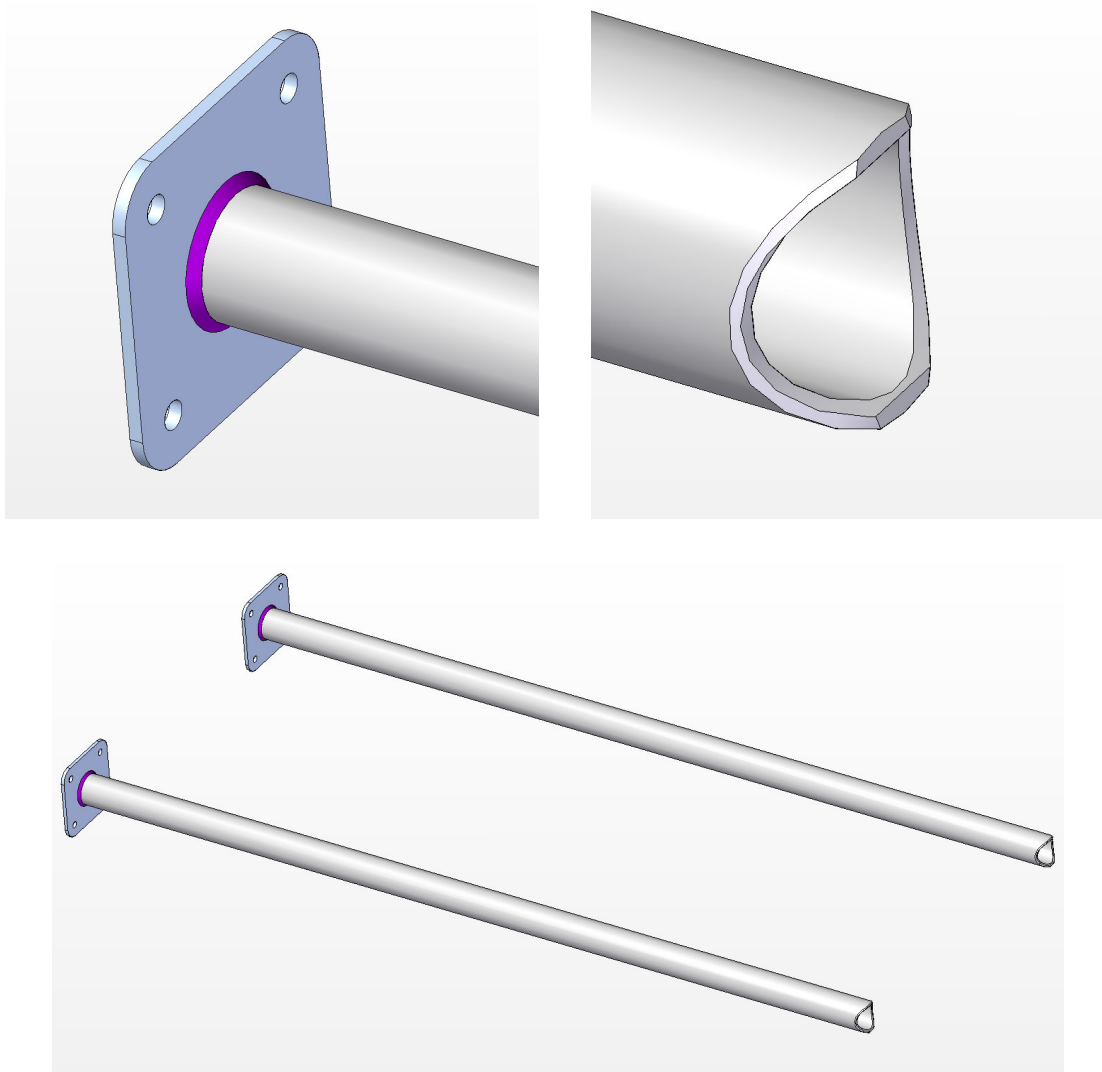
4. Chamfer the edges of the Round Tubing D38x3,2mm Cut Lenght 726,11mm (item 2) and weld the subassemblies made in the previous step to the subassemblies made in step 2.



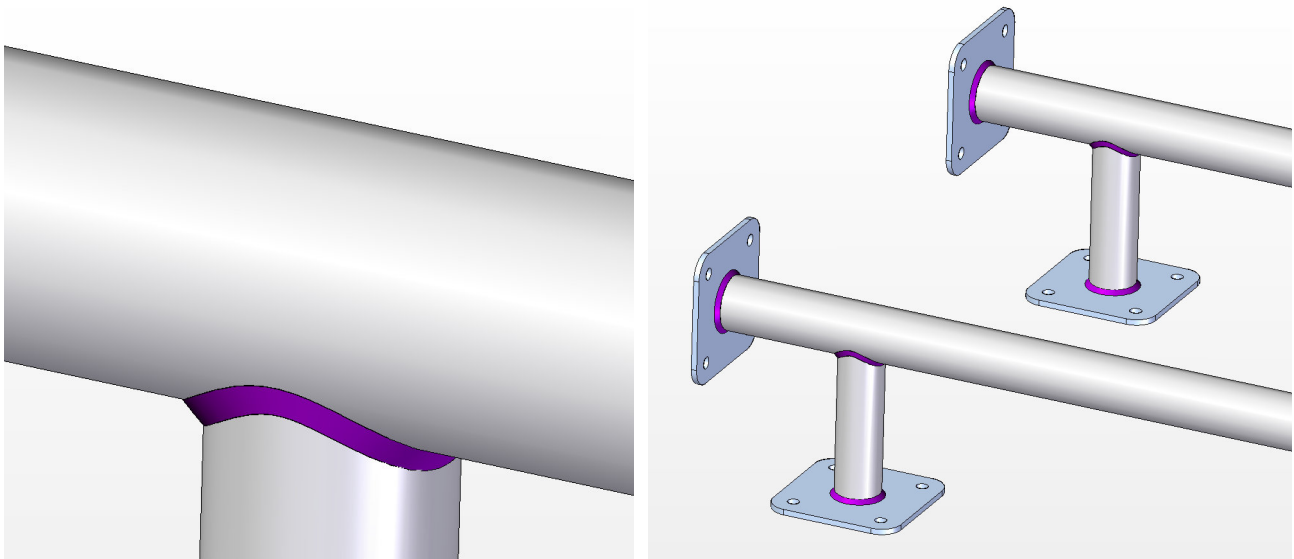
5. Weld Round Tubing D31,8x3,2mm Cut Length 109,06mm (item 5) and Support (item 7).
Make the two of these subassemblies.



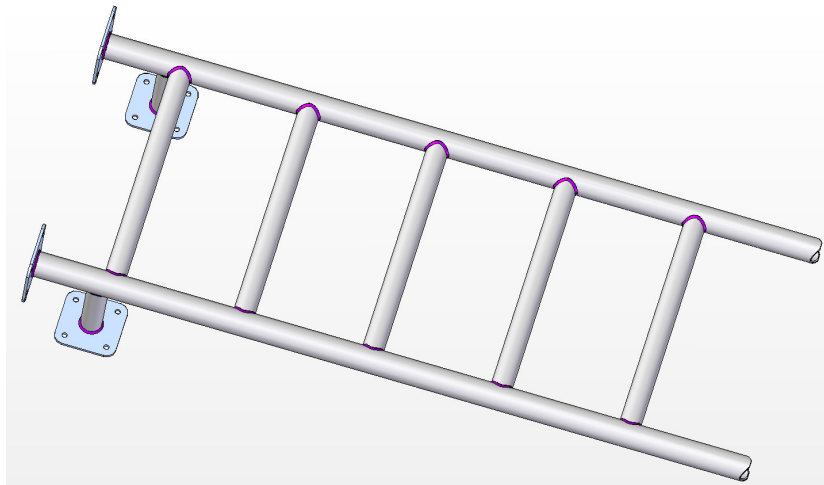
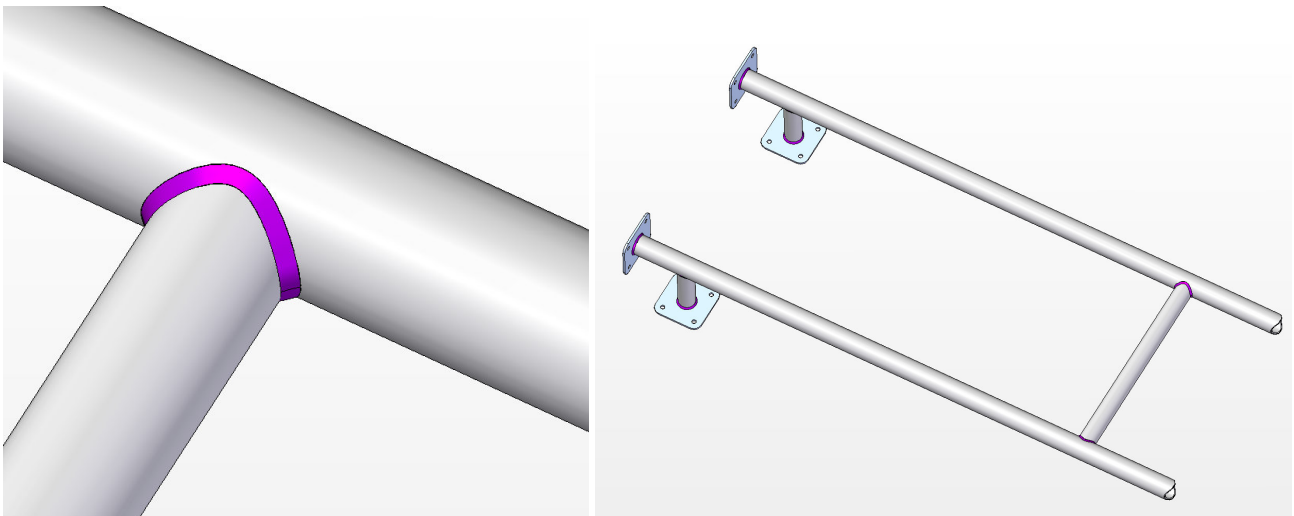
6. Weld Round Tubing D38x3,2mm Cut Length 1120,00mm (item 4) and Support (item 7). Make the two of these subassemblies. Chamfer the edges at the ends of Round Tubing D38x3,2mm Cut Length 1120,00mm (item 4).



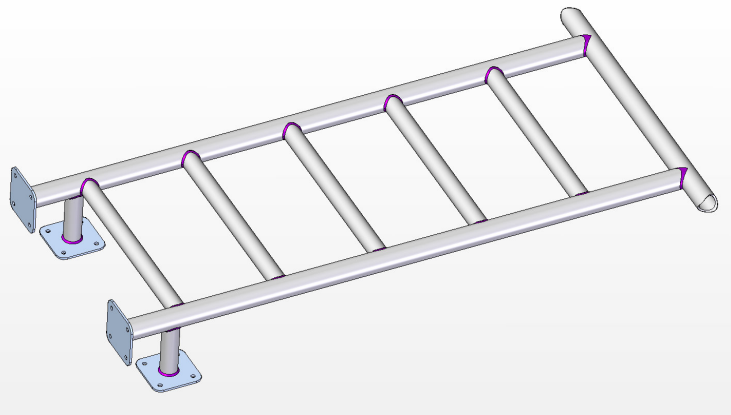
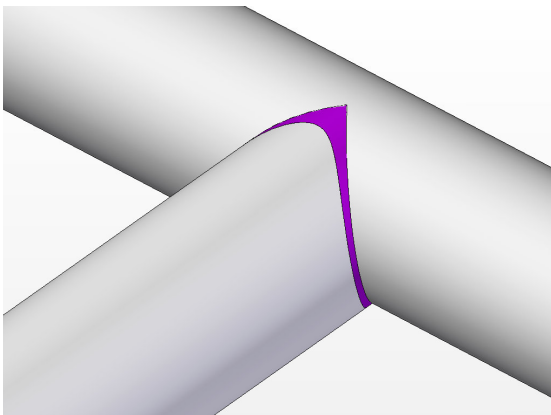
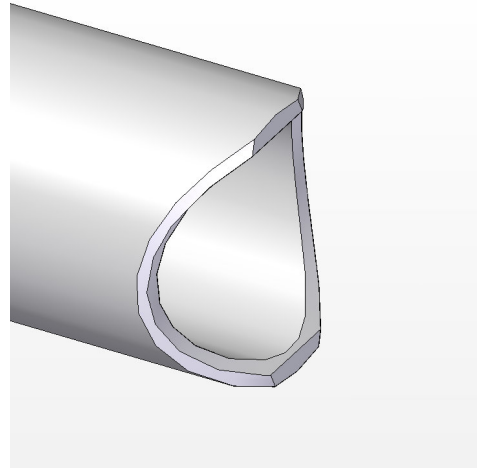
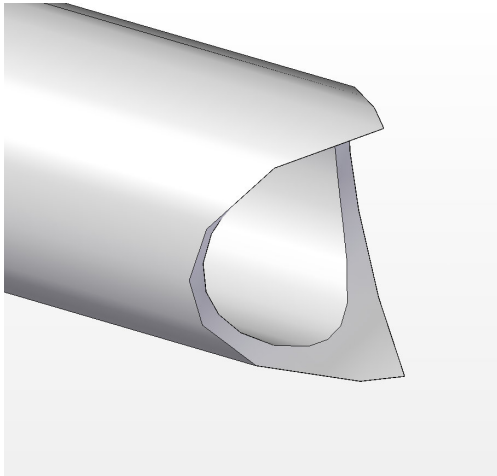
7. Weld the subassemblies made in step 5 to the subassemblies made in the previous step.



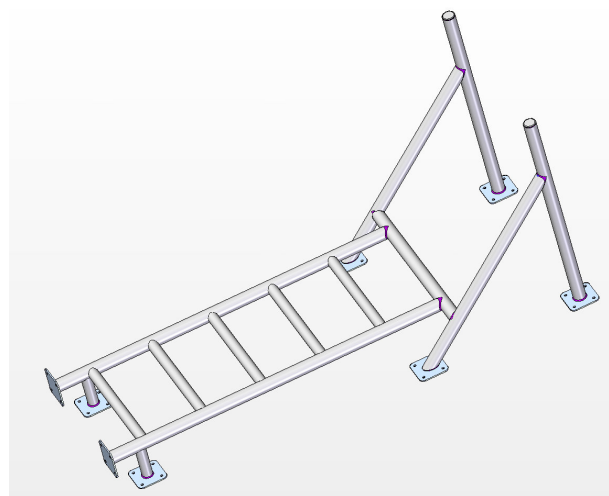
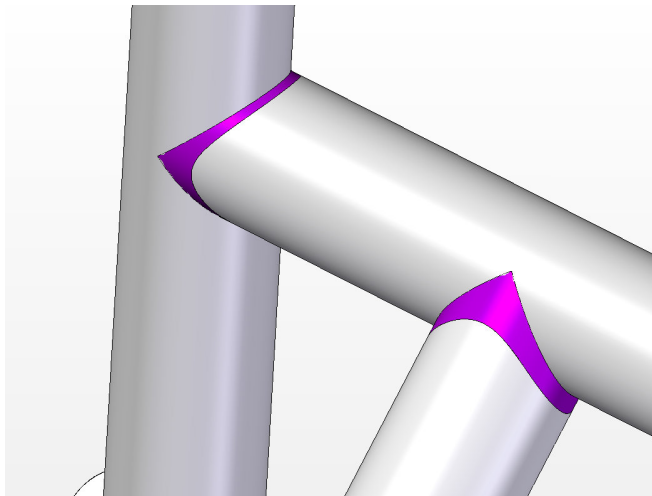
8. Weld the Round Tubing D31,8x3,2mm Cut Length 379,2mm (item 6) between the subassemblies made in the previous step.



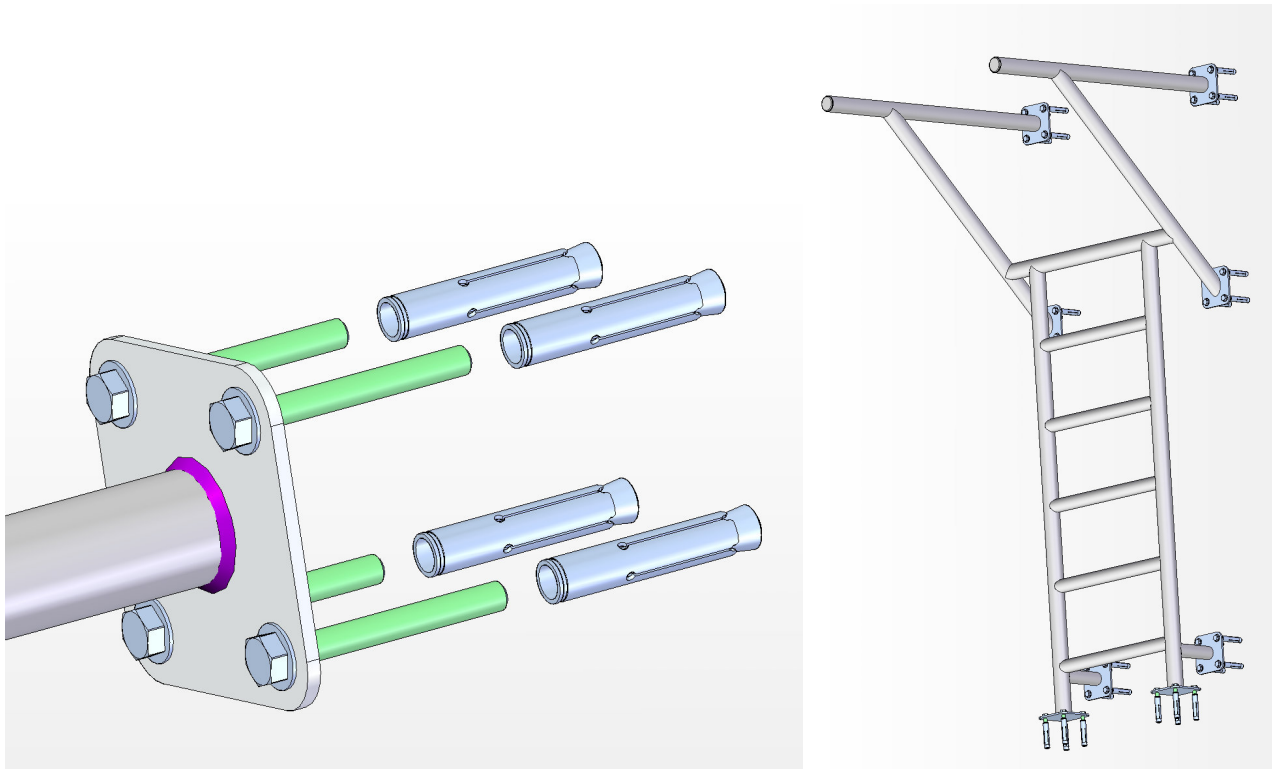
9. Weld the Round Tubing D38x3,2mm Cut Lenght 600,00 (item 3) to the assembly made in the previous step, but first chamfer the edges at the ends of Round Tubing D38x3,2mm Cut Lenght 600,00 (item 3).



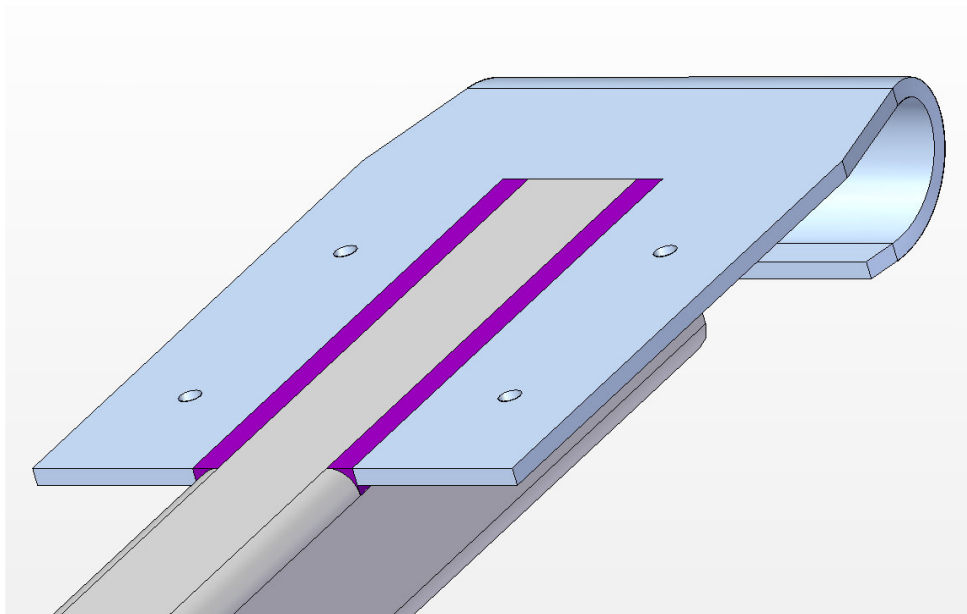
10. Weld the subassembly made in the previous step to the subassemblies from step 4.



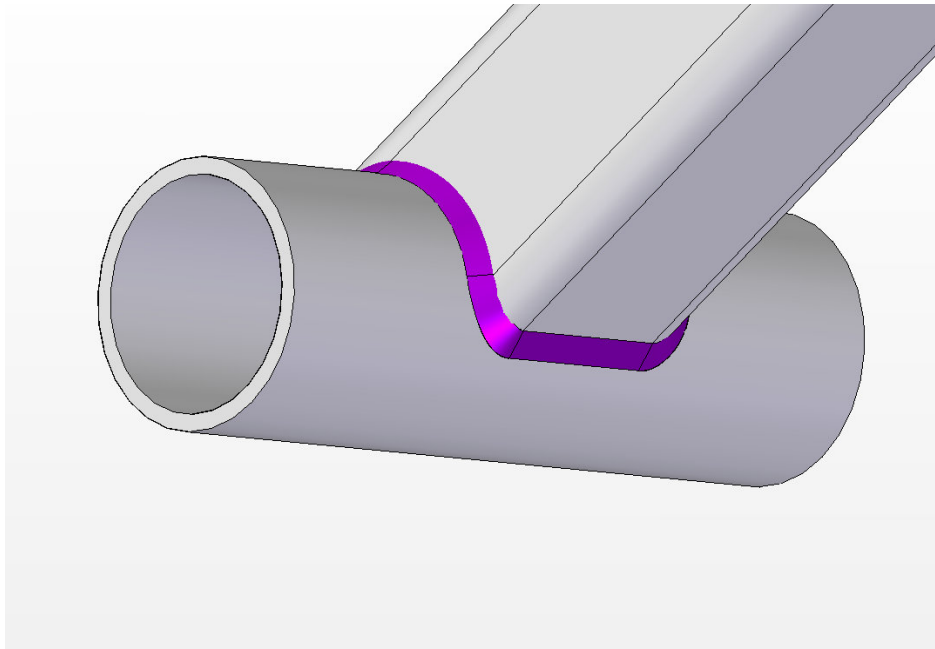
11. Mount the subassembly made in the previous step to the vertical wall using Fischer (item 9) and Hexagon Bolt D8x100mm (item 10).



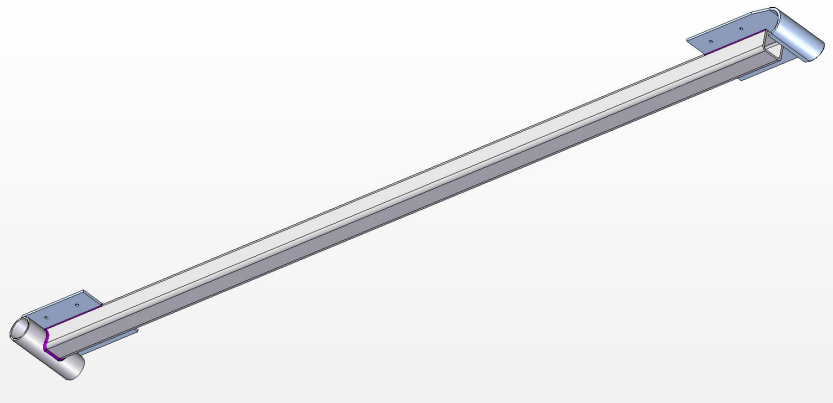
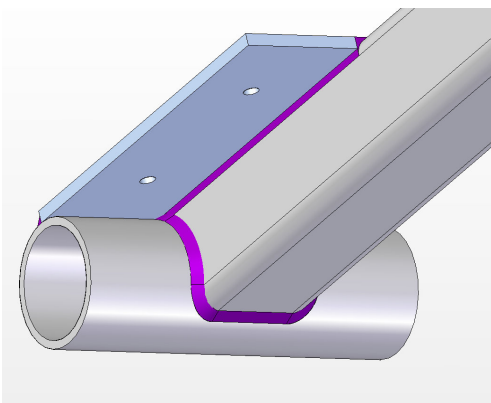
12. Weld the Hook (item 13) to the Square Tubing 50x50x4 Cut Length 1900,00mm (item 12).



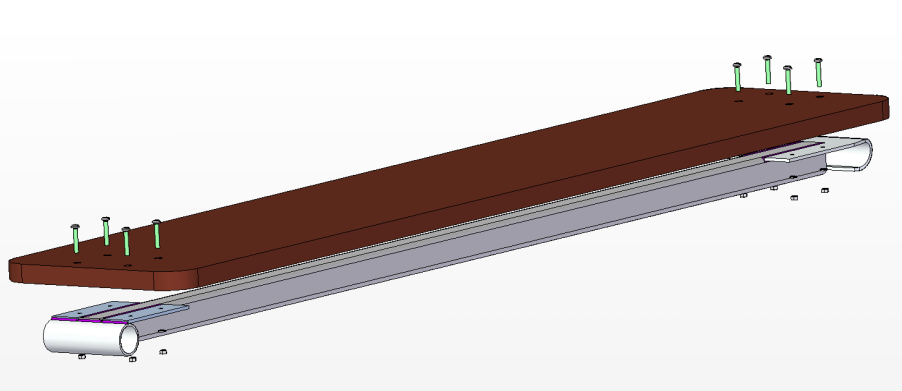
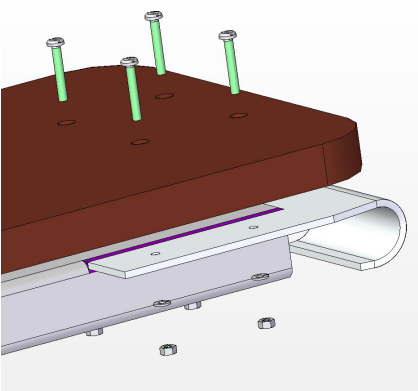
13. Weld the Round Tubing D51x3,2mm Cut Lenght 150,00mm (item 15) to the other end of Square Tubing 50x50x4 Cut Lenght 1900,00mm (item 12).

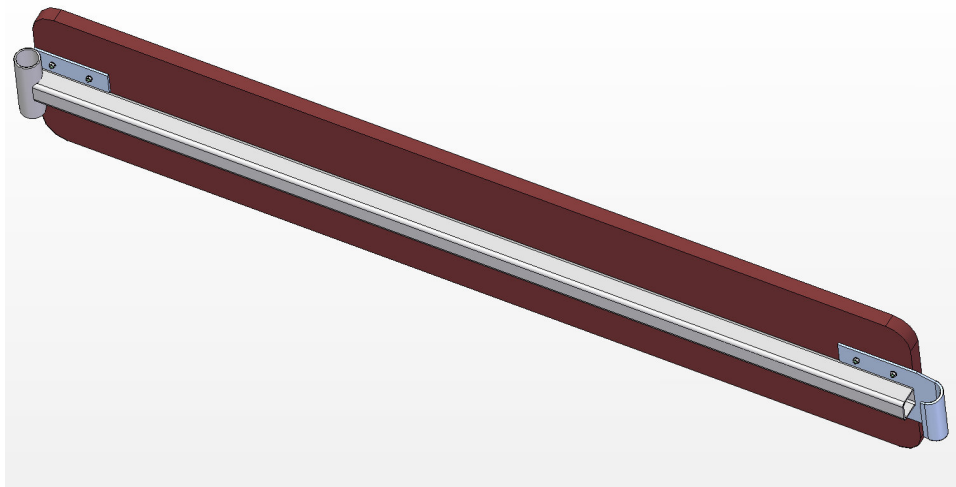


Also weld the Sheet (items 14).



14. Fasten the Plank (item 11) to the assembly made in the previous step using standard parts: Slotted Pan Head Screw M6x40mm (item 16), Spring Lock Washer 6 (item 17) and Hexagon Nut M6 (item 18).





15. Mount the assembly made in the previous step to the assembly made in step 11 at a height by your choice.

